GPS Assisted Speed Control

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GPS Assisted Speed Control Road traffic accidents due to excessive speed continue to increase. Law enforcement measures are insufficient to tackle this problem, therefore new approaches are needed and new solutions need to be found. Technological advances, GPS, Cruise Control can be utilized to provide such a solution. So our problem question is: can GPS be used to mandate speed limits thus saving lives? This project seeks to prove the following hypotheses: 1- The speed of a vehicle can be controlled by GPS. 2- GPS can be programmed to send signals to Cruise Control. 3- Speed can be controlled by Cruise Control. 4- GPS recognizes speed limits and gives a warning sound when speed limit is crossed. The previous hypotheses developed as a result of internet research, articles about cars (parts, mechanism), consulting specialists and engineers. The project goes like this: once the vehicle reaches the assigned speed of the road which the vehicle is travelling on, GPS will restrict further acceleration by sending a signal to Cruise Control, the Vehicle will not be permitted to increase speed. The conclusion of the research is that the hypotheses were proved, and combinations of technology – GPS and Cruise Control can be used to reduce speed – a major cause of accidents and save lives.

Awards Won: